**6 Patenting data (**ptnty.raw)

**Text data:** ptnty.raw

**Data used by:**

Hall, B.H., Griliches Z. and J.A. Hausman (1986), “Patents and R and D: Is there a Lag?” *International Economic Review*, 27, 265-283.

Hausman, J.A. , Hall, B.H. and Z. Griliches (1984), “Econometric Models of Count Data with an Application to the Patents – R and D Relationship,” *Econometrica*, 52, 909-938.

**Another useful reference:**

Gricliches, Zvi (1990), “Patent Statistics as Economic Indicators,” *Journal of Economics Literature* 92, 630-653.

Project Group #8 Members: Yagazie P. Anyanwu, Jean Marc A. Kangah and Reihaneh Moghisi

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Data #6 Patenting

ptnty.raw

The file contains data on 642 manufacturing firms with patents and R & D spending from 1972 to 1979. There are 5136 rows (642 firms times 8 years) and 6 columns. The data are arranged by year; rows 1-8 consist of observations for firm 1, rows 9-16 for firm 2 and so on. Definition of variables is given as follows.

Cusip scientific logcapital sumpat logrd patents year

1. CUSIP - Compustat's identifying number for the firm (Committee on Uniform Security

Identification Procedure number).

2. SCIENTIFIC - Dummy equal to one for firms in the scientific sector.

3. LOG-CAPITAL - The logarithm of the book value of capital in 1972

4. SUMPAT - The sum of patents applied for between 1972-1979

5. LOG-RD - The logarithm of R and D spending during the year (in 1972 dollars)

6. PATENTS - The number of patents applied for during the year that were eventually

granted.

7. Year - Year